

[illegible]

241	14.4	75.8	358	9	08-09-918-995-5417	Ap	Sequence 5417, Ap	71.7	1701	9	08-10-176-740-267	9	100.0	241
242	14.4	75.8	359	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	242
243	14.4	75.8	360	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	243
244	14.4	75.8	361	9	08-10-092-154-1288	Ap	Sequence 1288, Ap	71.7	1701	9	08-10-176-740-267	9	100.0	244
245	14.4	75.8	362	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	245
246	14.4	75.8	363	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	246
247	14.4	75.8	364	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	247
248	14.4	75.8	365	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	248
249	14.4	75.8	366	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	249
250	14.4	75.8	367	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	250
251	14.4	75.8	368	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	251
252	14.4	75.8	369	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	252
253	14.4	75.8	370	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	253
254	14.4	75.8	371	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	254
255	14.4	75.8	372	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	255
256	14.4	75.8	373	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	256
257	14.4	75.8	374	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	257
258	14.4	75.8	375	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	258
259	14.4	75.8	376	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	259
260	14.4	75.8	377	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	260
261	14.4	75.8	378	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	261
262	14.4	75.8	379	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	262
263	14.4	75.8	380	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	263
264	14.4	75.8	381	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	264
265	14.4	75.8	382	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	265
266	14.4	75.8	383	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	266
267	14.4	75.8	384	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	267
268	14.4	75.8	385	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	268
269	14.4	75.8	386	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	269
270	14.4	75.8	387	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	270
271	14.4	75.8	388	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	271
272	14.4	75.8	389	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	272
273	14.4	75.8	390	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	273
274	14.4	75.8	391	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	274
275	14.4	75.8	392	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	275
276	14.4	75.8	393	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	276
277	14.4	75.8	394	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	277
278	14.4	75.8	395	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	278
279	14.4	75.8	396	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	279
280	14.4	75.8	397	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	280
281	14.4	75.8	398	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	281
282	14.4	75.8	399	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	282
283	14.4	75.8	400	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	283
284	14.4	75.8	401	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	284
285	14.4	75.8	402	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	285
286	14.4	75.8	403	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	286
287	14.4	75.8	404	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	287
288	14.4	75.8	405	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	288
289	14.4	75.8	406	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	289
290	14.4	75.8	407	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	290
291	14.4	75.8	408	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	291
292	14.4	75.8	409	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	292
293	14.4	75.8	410	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	293
294	14.4	75.8	411	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	294
295	14.4	75.8	412	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	295
296	14.4	75.8	413	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	296
297	14.4	75.8	414	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	297
298	14.4	75.8	415	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	298
299	14.4	75.8	416	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	299
300	14.4	75.8	417	9	08-09-918-995-12415	A	Sequence 22415, A	71.7	1701	9	08-10-176-740-267	9	100.0	300

14.2	74.7	1701	9	US-10-184-650-26.7	Sequence-26.7	Alp	4.58	14.2	74.7	1701	9	US-10-184-643-26.7	Sequence-26.7	Alp	4.58
14.2	74.7	1701	9	US-10-184-650-26.7	Sequence-26.7	Alp	4.59	14.2	74.7	1701	9	US-10-184-654-26.7	Sequence-26.7	Alp	4.59
14.2	74.7	1701	9	US-10-184-651-26.7	Sequence-26.7	Alp	4.60	14.2	74.7	1701	9	US-10-184-655-26.7	Sequence-26.7	Alp	4.60
14.2	74.7	1701	9	US-10-187-588-26.7	Sequence-26.7	Alp	4.61	14.2	74.7	1701	9	US-10-184-656-26.7	Sequence-26.7	Alp	4.61
14.2	74.7	1701	9	US-10-187-59.7-26.7	Sequence-26.7	Alp	4.62	14.2	74.7	1701	9	US-10-184-657-26.7	Sequence-26.7	Alp	4.62
14.2	74.7	1701	9	US-10-187-598-26.7	Sequence-26.7	Alp	4.63	14.2	74.7	1701	9	US-10-184-658-26.7	Sequence-26.7	Alp	4.63
14.2	74.7	1701	9	US-10-187-600-26.7	Sequence-26.7	Alp	4.64	14.2	74.7	1701	9	US-10-184-659-26.7	Sequence-26.7	Alp	4.64
14.2	74.7	1701	9	US-10-187-601-26.7	Sequence-26.7	Alp	4.65	14.2	74.7	1701	9	US-10-184-660-26.7	Sequence-26.7	Alp	4.65
14.2	74.7	1701	9	US-10-187-602-26.7	Sequence-26.7	Alp	4.66	14.2	74.7	1701	9	US-10-184-661-26.7	Sequence-26.7	Alp	4.66
14.2	74.7	1701	9	US-10-187-603-26.7	Sequence-26.7	Alp	4.67	14.2	74.7	1701	9	US-10-184-662-26.7	Sequence-26.7	Alp	4.67
14.2	74.7	1701	9	US-10-187-604-26.7	Sequence-26.7	Alp	4.68	14.2	74.7	1701	9	US-10-184-663-26.7	Sequence-26.7	Alp	4.68
14.2	74.7	1701	9	US-10-187-605-26.7	Sequence-26.7	Alp	4.69	14.2	74.7	1701	9	US-10-184-664-26.7	Sequence-26.7	Alp	4.69
14.2	74.7	1701	9	US-10-187-606-26.7	Sequence-26.7	Alp	4.70	14.2	74.7	1701	9	US-10-184-665-26.7	Sequence-26.7	Alp	4.70
14.2	74.7	1701	9	US-10-187-607-26.7	Sequence-26.7	Alp	4.71	14.2	74.7	1701	9	US-10-184-666-26.7	Sequence-26.7	Alp	4.71
14.2	74.7	1701	9	US-10-187-608-26.7	Sequence-26.7	Alp	4.72	14.2	74.7	1701	9	US-10-184-667-26.7	Sequence-26.7	Alp	4.72
14.2	74.7	1701	9	US-10-187-609-26.7	Sequence-26.7	Alp	4.73	14.2	74.7	1701	9	US-10-184-668-26.7	Sequence-26.7	Alp	4.73
14.2	74.7	1701	9	US-10-187-610-26.7	Sequence-26.7	Alp	4.74	14.2	74.7	1701	9	US-10-184-669-26.7	Sequence-26.7	Alp	4.74
14.2	74.7	1701	9	US-10-187-611-26.7	Sequence-26.7	Alp	4.75	14.2	74.7	1701	9	US-10-184-670-26.7	Sequence-26.7	Alp	4.75
14.2	74.7	1701	9	US-10-187-612-26.7	Sequence-26.7	Alp	4.76	14.2	74.7	1701	9	US-10-184-671-26.7	Sequence-26.7	Alp	4.76
14.2	74.7	1701	9	US-10-187-613-26.7	Sequence-26.7	Alp	4.77	14.2	74.7	1701	9	US-10-184-672-26.7	Sequence-26.7	Alp	4.77
14.2	74.7	1701	9	US-10-187-614-26.7	Sequence-26.7	Alp	4.78	14.2	74.7	1701	9	US-10-184-673-26.7	Sequence-26.7	Alp	4.78
14.2	74.7	1701	9	US-10-187-615-26.7	Sequence-26.7	Alp	4.79	14.2	74.7	1701	9	US-10-184-674-26.7	Sequence-26.7	Alp	4.79
14.2	74.7	1701	9	US-10-187-616-26.7	Sequence-26.7	Alp	4.80	14.2	74.7	1701	9	US-10-184-675-26.7	Sequence-26.7	Alp	4.80
14.2	74.7	1701	9	US-10-187-617-26.7	Sequence-26.7	Alp	4.81	14.2	74.7	1701	9	US-10-184-676-26.7	Sequence-26.7	Alp	4.81
14.2	74.7	1701	9	US-10-187-618-26.7	Sequence-26.7	Alp	4.82	14.2	74.7	1701	9	US-10-184-677-26.7	Sequence-26.7	Alp	4.82
14.2	74.7	1701	9	US-10-187-619-26.7	Sequence-26.7	Alp	4.83	14.2	74.7	1701	9	US-10-184-678-26.7	Sequence-26.7	Alp	4.83
14.2	74.7	1701	9	US-10-187-620-26.7	Sequence-26.7	Alp	4.84	14.2	74.7	1701	9	US-10-184-679-26.7	Sequence-26.7	Alp	4.84
14.2	74.7	1701	9	US-10-187-621-26.7	Sequence-26.7	Alp	4.85	14.2	74.7	1701	9	US-10-184-680-26.7	Sequence-26.7	Alp	4.85
14.2	74.7	1701	9	US-10-187-622-26.7	Sequence-26.7	Alp	4.86	14.2	74.7	1701	9	US-10-184-681-26.7	Sequence-26.7	Alp	4.86
14.2	74.7	1701	9	US-10-187-623-26.7	Sequence-26.7	Alp	4.87	14.2	74.7	1701	9	US-10-184-682-26.7	Sequence-26.7	Alp	4.87
14.2	74.7	1701	9	US-10-187-624-26.7	Sequence-26.7	Alp	4.88	14.2	74.7	1701	9	US-10-184-683-26.7	Sequence-26.7	Alp	4.88
14.2	74.7	1701	9	US-10-187-625-26.7	Sequence-26.7	Alp	4.89	14.2	74.7	1701	9	US-10-184-684-26.7	Sequence-26.7	Alp	4.89
14.2	74.7	1701	9	US-10-187-626-26.7	Sequence-26.7	Alp	4.90	14.2	74.7	1701	9	US-10-184-685-26.7	Sequence-26.7	Alp	4.90
14.2	74.7	1701	9	US-10-187-627-26.7	Sequence-26.7	Alp	4.91	14.2	74.7	1701	9	US-10-184-686-26.7	Sequence-26.7	Alp	4.91
14.2	74.7	1701	9	US-10-187-628-26.7	Sequence-26.7	Alp	4.92	14.2	74.7	1701	9	US-10-184-687-26.7	Sequence-26.7	Alp	4.92
14.2	74.7	1701	9	US-10-187-629-26.7	Sequence-26.7	Alp	4.93	14.2	74.7	1701	9	US-10-184-688-26.7	Sequence-26.7	Alp	4.93
14.2	74.7	1701	9	US-10-187-630-26.7	Sequence-26.7	Alp	4.94	14.2	74.7	1701	9	US-10-184-689-26.7	Sequence-26.7	Alp	4.94
14.2	74.7	1701	9	US-10-187-631-26.7	Sequence-26.7	Alp	4.95	14.2	74.7	1701	9	US-10-184-690-26.7	Sequence-26.7	Alp	4.95
14.2	74.7	1701	9	US-10-187-632-26.7	Sequence-26.7	Alp	4.96	14.2	74.7	1701	9	US-10-184-691-26.7	Sequence-26.7	Alp	4.96
14.2	74.7	1701	9	US-10-187-633-26.7	Sequence-26.7	Alp	4.97	14.2	74.7	1701	9	US-10-184-692-26.7	Sequence-26.7	Alp	4.97
14.2	74.7	1701	9	US-10-187-634-26.7	Sequence-26.7	Alp	4.98	14.2	74.7	1701	9	US-10-184-693-26.7	Sequence-26.7	Alp	4.98
14.2	74.7	1701	9	US-10-187-635-26.7	Sequence-26.7	Alp	4.99	14.2	74.7	1701	9	US-10-184-694-26.7	Sequence-26.7	Alp	4.99
14.2	74.7	1701	9	US-10-187-636-26.7	Sequence-26.7	Alp	5.00	14.2	74.7	1701	9	US-10-184-695-26.7	Sequence-26.7	Alp	5.00
14.2	74.7	1701	9	US-10-187-637-26.7	Sequence-26.7	Alp	5.01	14.2	74.7	1701	9	US-10-184-696-26.7	Sequence-26.7	Alp	5.01
14.2	74.7	1701	9	US-10-187-638-26.7	Sequence-26.7	Alp	5.02	14.2	74.7	1701	9	US-10-184-697-26.7	Sequence-26.7	Alp	5.02
14.2	74.7	1701	9	US-10-187-639-26.7	Sequence-26.7	Alp	5.03	14.2	74.7	1701	9	US-10-184-698-26.7	Sequence-26.7	Alp	5.03
14.2	74.7	1701	9	US-10-187-640-26.7	Sequence-26.7	Alp	5.04	14.2	74.7	1701	9	US-10-184-699-26.7	Sequence-26.7	Alp	5.04
14.2	74.7	1701	9	US-10-187-641-26.7	Sequence-26.7	Alp	5.05	14.2	74.7	1701	9	US-10-184-700-26.7	Sequence-26.7	Alp	5.05
14.2	74.7	1701	9	US-10-187-642-26.7	Sequence-26.7	Alp	5.06	14.2	74.7	1701	9	US-10-184-701-26.7	Sequence-26.7	Alp	5.06
14.2	74.7	1701	9	US-10-187-643-26.7	Sequence-26.7	Alp	5.07	14.2	74.7	1701	9	US-10-184-702-26.7	Sequence-26.7	Alp	5.07
14.2	74.7	1701	9	US-10-187-644-26.7	Sequence-26.7	Alp	5.08	14.2	74.7	1701	9	US-10-184-703-26.7	Sequence-26.7	Alp	5.08
14.2	74.7	1701	9	US-10-187-645-26.7	Sequence-26.7	Alp	5.09	14.2	74.7	1701	9	US-10-184-704-26.7	Sequence-26.7	Alp	5.09
14.2	74.7	1701	9	US-10-187-646-26.7	Sequence-26.7	Alp	5.10	14.2	74.7	1701	9	US-10-184-705-26.7	Sequence-26.7	Alp	5.10
14.2	74.7	1701	9	US-10-187-647-26.7	Sequence-26.7	Alp	5.11	14.2	74.7	1701	9	US-10-184-706-26.7	Sequence-26.7	Alp	5.11
14.2	74.7	1701	9	US-10-187-648-26.7	Sequence-26.7	Alp	5.12	14.2	74.7	1701	9	US-10-184-707-26.7	Sequence-26.7	Alp	5.12
14.2	74.7	1701	9	US-10-187-649-26.7	Sequence-26.7	Alp	5.13	14.2	74.7	1701	9	US-10-184-708-26.7	Sequence-26.7	Alp	5.13
14.2	74.7	1701	9	US-10-187-650-26.7	Sequence-26.7	Alp	5.14	14.2	74.7	1701	9	US-10-184-709-26.7	Sequence-26.7	Alp	5.14
14.2	74.7	1701	9	US-10-187-651-26.7	Sequence-26.7	Alp	5.15	14.2	74.7	1701	9	US-10-184-710-26.7	Sequence-26.7	Alp	5.15
14.2	74.7	1701	9	US-10-187-652-26.7	Sequence-26.7	Alp	5.16	14.2	74.7	1701	9	US-10-184-711-26.7	Sequence-26.7	Alp	5.16
14.2	74.7	1701	9	US-10-187-653-26.7	Sequence-26.7	Alp	5.17	14.2	74.7	1701	9	US-10-184-712-26.7	Sequence-26.7	Alp	5.17
14.2	74.7	1701	9	US-10-187-654-26.7	Sequence-26.7	Alp	5.18	14.2	74.7	1701	9	US-10-184-713-26.7	Sequence-26.7	Alp	5.18
14.2	74.7	1701	9	US-10-187-655-26.7	Sequence-26.7	Alp	5.19	14.2	74.7	1701	9	US-10-184-714-26.7	Sequence-26.7	Alp	5.19
14.2	74.7	1701	9	US-10-187-656-26.7	Sequence-26.7	Alp	5.20	14.2	74.7	1701	9	US-10-184-715-26.7	Sequence-26.7	Alp	5.20
14.2	74.7	1701	9	US-10-187-657-26.7	Sequence-26.7	Alp	5.21	14.2	74.7	1701	9	US-10-184-716-26.7	Sequence-26.7	Alp	5.21
14.2	74.7	1701	9	US-10-187-658-26.7	Sequence-26.7	Alp	5.22	14.2	74.7	1701	9	US-10-184-717-26.7	Sequence-26.7	Alp	5.22
14.2	74.7	1701	9	US-10-187-659-26.7	Sequence-26.7	Alp	5.23	14.2	74.7	1701	9	US-10-184-718-26.7	Sequence-26.7	Alp	5.23
14.2	74.7	1701	9	US-10-187-660-26.7	Sequence-26.7	Alp	5.24	14.2	74.7	1701	9	US-10-184-719-26.7	Sequence-26.7	Alp	5.24
14.2	74.7	1701	9	US-10-187-661-26.7	Sequence-26.7	Alp	5.25	14.2	74.7	1701	9	US-10-184-720-26.7	Sequence-26.7	Alp	5.25
14.2	74.7	1701	9	US-10-187-662-26.7	Sequence-26.7	Alp	5.26	14.2	74.7	1701	9	US-10-184-721-26.7	Sequence-26.7	Alp	5.26
14.2	74.7	1701	9	US-10-187-663-26.7	Sequence-26.7	Alp	5.27	14.2	74.7	1701	9	US-10-184-722-26.7	Sequence-26.7	Alp	5.27
14.2	74.7	1701	9	US-10-187-664-26.7	Sequence-26.7	Alp	5.28	14.2	74.7	1701	9	US-10-184-723-26.7	Sequence-26.7	Alp	5.28
14.2	74.7	1701	9	US-10-187-665-26.7	Sequence-26.7	Alp	5.29	14.2	74.7	1701	9	US-10-184-724-26.7	Sequence-26.7	Alp	5.29
14.2	74.7	1701	9	US-10-187-666-26.7	Sequence-26.7	Alp	5.30	14.2	74.7	1701	9	US-10-184-725-26.7	Sequence-26.7	Alp	5.30

5.41	14.2	74.7	1701	9	US-10-201-527-267	Sequence 267, App	604	14.2	74.7	1702	9	US-10-201-599-673	267	5.42
5.42	14.2	74.7	1701	9	US-10-201-528-267	Sequence 267, App	605	14.2	74.7	1702	9	US-10-201-522-267	267	5.43
5.43	14.2	74.7	1701	9	US-10-201-529-267	Sequence 267, App	606	14.2	74.7	1701	9	US-10-201-822-267	267	5.44
5.44	14.2	74.7	1701	9	US-10-201-530-267	Sequence 267, App	607	14.2	74.7	1701	9	US-10-201-823-267	267	5.45
5.45	14.2	74.7	1701	9	US-10-201-531-267	Sequence 267, App	608	14.2	74.7	1701	9	US-10-201-824-267	267	5.46
5.46	14.2	74.7	1701	9	US-10-202-409-267	Sequence 267, App	609	14.2	74.7	1701	9	US-10-201-825-267	267	5.47
5.47	14.2	74.7	1701	9	US-10-202-411-267	Sequence 267, App	610	14.2	74.7	1701	9	US-10-201-826-267	267	5.48
5.48	14.2	74.7	1701	9	US-10-202-412-267	Sequence 267, App	611	14.2	74.7	1701	9	US-10-201-827-267	267	5.49
5.49	14.2	74.7	1701	9	US-10-205-502-267	Sequence 267, App	612	14.2	74.7	1701	9	US-10-201-828-267	267	5.50
5.50	14.2	74.7	1701	9	US-10-205-507-267	Sequence 267, App	613	14.2	74.7	1701	9	US-10-201-829-267	267	5.51
5.51	14.2	74.7	1701	9	US-10-205-511-267	Sequence 267, App	614	14.2	74.7	1701	9	US-10-201-830-267	267	5.52
5.52	14.2	74.7	1701	9	US-10-205-902-267	Sequence 267, App	615	14.2	74.7	1701	9	US-10-202-110-267	267	5.53
5.53	14.2	74.7	1701	9	US-10-205-907-267	Sequence 267, App	616	14.2	74.7	1701	9	US-10-202-111-267	267	5.54
5.54	14.2	74.7	1701	9	US-10-194-456-267	Sequence 267, App	617	14.2	74.7	1701	9	US-10-202-474-267	267	5.55
5.55	14.2	74.7	1701	9	US-10-196-758-267	Sequence 267, App	618	14.2	74.7	1701	9	US-10-205-504-267	267	5.56
5.56	14.2	74.7	1701	9	US-10-198-773-267	Sequence 267, App	619	14.2	74.7	1701	9	US-10-205-512-267	267	5.57
5.57	14.2	74.7	1701	9	US-10-194-403-267	Sequence 267, App	620	14.2	74.7	1701	9	US-10-205-892-267	267	5.58
5.58	14.2	74.7	1701	9	US-10-203-617-267	Sequence 267, App	621	14.2	74.7	1701	9	US-10-205-894-267	267	5.59
5.59	14.2	74.7	1701	9	US-10-205-895-267	Sequence 267, App	622	14.2	74.7	1701	9	US-10-205-896-267	267	5.60
5.60	14.2	74.7	1701	9	US-10-205-897-267	Sequence 267, App	623	14.2	74.7	1701	9	US-10-205-898-267	267	5.61
5.61	14.2	74.7	1701	9	US-10-192-315-267	Sequence 267, App	624	14.2	74.7	1701	9	US-10-205-901-267	267	5.62
5.62	14.2	74.7	1701	9	US-10-064-567-73	Sequence 73, App1	625	14.2	74.7	1701	9	US-10-205-903-267	267	5.63
5.63	14.2	74.7	1701	9	US-10-176-771-267	Sequence 267, App	626	14.2	74.7	1701	9	US-10-206-910-267	267	5.64
5.64	14.2	74.7	1701	9	US-10-176-774-267	Sequence 267, App	627	14.2	74.7	1701	9	US-10-206-911-267	267	5.65
5.65	14.2	74.7	1701	9	US-10-176-775-267	Sequence 267, App	628	14.2	74.7	1701	9	US-10-206-912-267	267	5.66
5.66	14.2	74.7	1701	9	US-10-183-011-267	Sequence 267, App	629	14.2	74.7	1701	9	US-10-206-913-267	267</	

[illegible]


```

RESULT B
US-09-728-445-B26/*
: SOURCE# 826, APPROVED FOR US-09-28445
: PATENT No. US2009012543A1
: GENERAL INFO REASONING
: APPROVANI: FreshTech, LLC
: APPROVANI: FreshTech, LLC
: APPROVANI: FreshTech, LLC

```


1 LOCATION: (1005)
 2 OTHER INFORMATION: n equals a.t.g., of c
 3 NAME/KEY: SITE
 4 LOCATION: (1094)
 5 OTHER INFORMATION: n equals a.t.g., of c
 6 NAME/KEY: SITE
 7 LOCATION: (1165)
 8 OTHER INFORMATION: n equals a.t.g., of c
 9 US 09 764 664-605

Query Match
 Best local similarity 81.1% Score 15.47 DB 10 Length 1447
 Matches 16 Conservative 0 Mismatches 11 Indels 0 Gaps 0

17 2 CACAGAGAGAGAGAGAGAGT 19

18 11111111111111111111

19 64 CACAGAGAGAGAGAGAGT 510

RESULT 15

US 09 764 664-169/2

Sequence 169, Application US/0976464

Patent No. US2002012759A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: 17233

SEQUENCE ATTACHMENT NUMBER: 09/0976464

CURRENT FILING DATE: 2001 01 17

Prior application data removed - consult PALM file wrapper

NUMBER OF SEQ ID NOS: 1792

SOFTWARE: Patent In Ver. 2.0

SEQ ID No: 169

LENGTH: 1446

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (19)

OTHER INFORMATION: n equals a.t.g., of c

NAME/KEY: SITE

LOCATION: (109)

OTHER INFORMATION: n equals a.t.g., of c

US 09 764 664-169

Query Match
 Best local similarity 94.1% Score 15.47 DB 10 Length 1447
 Matches 16 Conservative 0 Mismatches 11 Indels 0 Gaps 0

17 2 CACAGAGAGAGAGAGAGT 19

11111111111111111111

18 670 CACAGAGAGAGAGAGT 654

RESULT 14

US-10-125-540-616

Sequence 616, Application US/10125540

Publication No. US2004009875A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: 172403

CURRENT FILING DATE: 2002 04 19

Prior application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 646

SOFTWARE: Patent In Ver. 2.0

SEQ ID No: 616

TYPE: DNA

ORGANISM: Homo sapiens

US-10-125-540-616

Query Match
 Best local similarity 80.0% Score 14.89 DB 10 Length 1447
 Matches 17 Conservative 0 Mismatches 21 Indels 0 Gaps 0

17 2 CACAGAGAGAGAGAGAGT 19

11111111111111111111

18 212 CACAGAGAGAGAGAGT 229

RESULT 15

US 09 764 670-616

Sequence 616, Application US/09764670

Patent No. US2002012759A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: 17211

CURRENT FILING DATE: 2001 07 27

Prior application data removed - consult PALM file wrapper

NUMBER OF SEQ ID NOS: 646

SOFTWARE: Patent In Ver. 2.0

SEQ ID No: 616

TYPE: DNA

ORGANISM: Homo sapiens

US 09 764 670-616

Query Match
 Best local similarity 80.0% Score 14.89 DB 10 Length 1447
 Matches 16 Conservative 0 Mismatches 21 Indels 0 Gaps 0

17 2 CACAGAGAGAGAGAGAGT 19

11111111111111111111

18 212 CACAGAGAGAGAGAGT 229

RESULT 16

US 10 079 629-20/2

Sequence 20, Application US/10079629/2

Patent No. US2002016902A1

GENERAL INFORMATION:

APPLICANT: Nakamura, Takaki et al.

APPLICANT: Glenn, Matthew R.

APPLICANT: Glenn, Murray R.

APPLICANT: Molinari, Adrian L.

TITLE OF INVENTION: Purposive Isolates from Bacteria

FILE REFERENCE: 170410433

CURRENT FILING DATE: 2002 02 19

NUMBER OF SEQ ID NOS: 370

SOFTWARE: FastSeq for Windows Version 4.

SEQ ID No: 20

LENGTH: 426

TYPE: DNA

ORGANISM: Bacteria

US-10-079-629-20

Query Match
 Best local similarity 80.0% Score 14.89 DB 10 Length 1447
 Matches 16 Conservative 0 Mismatches 21 Indels 0 Gaps 0

17 2 CACAGAGAGAGAGAGAGT 19

11111111111111111111

18 64 CACAGAGAGAGAGAGT 64

RESULT 17

US 10 079 629-19/2

Sequence 19, Application US/10079629

Patent No. US2002016902A1

GENERAL INFORMATION:

```
1 APPLICANT: Barakka, L. Elkan, L.
2 APPLICANT: Leann, Matthew P.
3 APPLICANT: Gerald, Barry P.
4 APPLICANT: Molecular, Adrian J.
5 TITLE OF INVENTION: Compositions Isolated from F-110
6 TITLE OF INVENTION: Compositions Isolated from F-110
7 FILE REFERENCE: 11000,10448
8 CURRENT APPLICATION NUMBER: 09/25,700,024
9 CURRENT FILING DATE: 2002-02-19
10 NUMBER OF SEQ ID NOS: 470
11 SEQUENCE LISTING: See Seq ID Nos. 1-470
12 SEQ ID NO: 1
13 LENGTH: 186
14 TYPE: DNA
15 ORGANISM: Bacteria
16 Mismatch: 0% Conserved: 100% Mismatch: 0% Conserved: 100%
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040
1041
1042
1043
1044
1045
1046
1047
1048
1049
1050
1051
1052
1053
1054
1055
1056
1057
1058
1059
1060
1061
1062
1063
1064
1065
1066
1067
1068
1069
1070
1071
1072
1073
1074
1075
1076
1077
1078
1079
1080
1081
1082
1083
1084
1085
1086
1087
1088
1089
1090
1091
1092
1093
1094
1095
1096
1097
1098
1099
1100
1101
1102
1103
1104
1105
1106
1107
1108
1109
1110
1111
1112
1113
1114
1115
1116
1117
1118
1119
1120
1121
1122
1123
1124
1125
1126
1127
1128
1129
1130
1131
1132
1133
1134
1135
1136
1137
1138
1139
1140
1141
1142
1143
1144
1145
1146
1147
1148
1149
1150
1151
1152
1153
1154
1155
1156
1157
1158
1159
1160
1161
1162
1163
1164
1165
1166
1167
1168
1169
1170
1171
1172
1173
1174
1175
1176
1177
1178
1179
1180
1181
1182
1183
1184
1185
1186
1187
1188
1189
1190
1191
1192
1193
1194
1195
1196
1197
1198
1199
1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
1210
1211
1212
1213
1214
1215
1216
1217
1218
1219
1220
1221
1222
1223
1224
1225
1226
1227
1228
1229
1230
1231
1232
1233
1234
1235
1236
1237
1238
1239
1240
1241
1242
1243
1244
1245
1246
1247
1248
1249
1250
1251
1252
1253
1254
1255
1256
1257
1258
1259
1260
1261
1262
1263
1264
1265
1266
1267
1268
1269
1270
1271
1272
1273
1274
1275
1276
1277
1278
1279
1280
1281
1282
1283
1284
1285
1286
1287
1288
1289
1290
1291
1292
1293
1294
1295
1296
1297
1298
1299
1300
1301
1302
1303
1304
1305
1306
1307
1308
1309
1310
1311
1312
1313
1314
1315
1316
1317
1318
1319
1320
1321
1322
1323
1324
1325
1326
1327
1328
1329
1330
1331
1332
1333
1334
1335
1336
1337
1338
1339
1340
1341
1342
1343
1344
1345
1346
1347
1348
1349
1350
1351
1352
1353
1354
1355
1356
1357
1358
1359
1360
1361
1362
1363
1364
1365
1366
1367
1368
1369
1370
1371
1372
1373
1374
1375
1376
1377
1378
1379
1380
1381
1382
1383
1384
1385
1386
1387
1388
1389
1390
1391
1392
1393
1394
1395
1396
1397
1398
1399
1400
1401
1402
1403
1404
1405
1406
1407
1408
1409
1410
1411
1412
1413
1414
1415
1416
1417
1418
1419
1420
1421
1422
1423
1424
1425
1426
1427
1428
1429
1430
1431
1432
1433
1434
1435
1436
1437
1438
1439
1440
1441
1442
1443
1444
1445
1446
1447
1448
1449
1450
1451
1452
1453
1454
1455
1456
1457
1458
1459
1460
1461
1462
1463
1464
1465
1466
1467
1468
1469
1470
1471
1472
1473
1474
1475
1476
1477
1478
1479
1480
1481
1482
1483
1484
1485
1486
1487
1488
1489
1490
1491
1492
1493
1494
1495
1496
1497
1498
1499
1500
1501
1502
1503
1504
1505
1506
1507
1508
1509
1510
1511
1512
1513
1514
1515
1516
1517
1518
1519
1520
1521
1522
1523
1524
1525
1526
1527
1528
1529
1530
1531
1532
1533
1534
1535
1536
1537
1538
1539
1540
1541
1542
1543
1544
1545
1546
1547
1548
1549
1550
1551
1552
1553
1554
1555
1556
1557
1558
1559
1560
1561
1562
1563
1564
1565
1566
1567
1568
1569
1570
1571
1572
1573
1574
1575
1576
1577
1578
1579
1580
1581
1582
1583
1584
1585
1586
1587
1588
1589
1590
1591
1592
1593
1594
1595
1596
1597
1598
1599
1600
1601
1602
1603
1604
1605
1606
1607
1608
1609
1610
1611
1612
1613
1614
1615
1616
1617
1618
1619
1620
1621
1622
1623
1624
1625
1626
1627
1628
1629
1630
1631
1632
1633
1634
1635
1636
1637
1638
1639
1640
1641
1642
1643
1644
1645
1646
1647
1648
1649
1650
1651
1652
1653
1654
1655
1656
1657
1658
1659
1660
1661
1662
1663
1664
1665
1666
1667
1668
1669
1670
1671
1672
1673
1674
1675
1676
1677
1678
1679
1680
1681
1682
1683
1684
1685
1686
1687
1688
1689
1690
1691
1692
1693
1694
1695
1696
1697
1698
1699
1700
1701
1702
1703
1704
1705
1706
1707
1708
1709
1710
1711
1712
1713
1714
1715
1716
1717
1718
1719
1720
1721
1722
1723
1724
1725
1726
1727
1728
1729
1730
1731
1732
1733
1734
1735
1736
1737
1738
1739
1740
1741
1742
1743
1744
1745
1746
1747
1748
1749
1750
1751
1752
1753
1754
1755
1756
1757
1758
1759
1760
1761
1762
1763
1764
1765
1766
1767
1768
1769
1770
1771
1772
1773
1774
1775
1776
1777
1778
1779
1780
1781
1782
1783
1784
1785
1786
1787
1788
1789
1790
1791
1792
1793
1794
1795
1796
1797
1798
1799
1800
1801
1802
1803
1804
1805
1806
1807
1808
1809
1810
1811
1812
1813
1814
1815
1816
1817
1818
1819
1820
1821
1822
1823
1824
1825
1826
1827
1828
1829
1830
1831
1832
1833
1834
1835
1836
1837
1838
1839
1840
1841
1842
1843
1844
1845
1846
1847
1848
1849
1850
1851
1852
1853
1854
1855
1856
1857
1858
1859
1860
1861
1862
1863
1864
1865
1866
1867
1868
1869
1870
1871
1872
1873
1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
1889
1890
1891
1892
1893
1894
1895
1896
1897
1898
1899
1900
1901
1902
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050
2051
2052
2053
2054
2055
2056
2057
2058
2059
2060
2061
2062
2063
2064
2065
2066
2067
2068
2069
2070
2071
2072
2073
2074
2075
2076
2077
2078
2079
2080
2081
2082
2083
2084
2085
2086
2087
2088
2089
2090
2091
2092
2093
2094
2095
2096
2097
2098
2099
2100
2101
2102
2103
2104
2105
2106
2107
2108
2109
2110
2111
2112
2113
2114
2115
2116
2117
2118
2119
2120
2121
2122
2123
2124
2125
2126
2127
2128
2129
2130
2131
2132
2133
2134
2135
2136
2137
2138
2139
2140
2141
2142
2143
2144
2145
2146
2147
2148
2149
2150
2151
2152
2153
2154
2155
2156
2157
2158
2159
2160
2161
2162
2163
2164
2165
2166
2167
2168
2169
2170
2171
2172
2173
2174
2175
2176
2177
2178
2179
2180
2181
2182
2183
2184
2185
2186
2187
2188
2189
2190
2191
2192
2193
2194
2195
2196
2197
2198
2199
2200
2201
2202
2203
2204
2205
2206
2207
2208
2209
2210
2211
2212
2213
2214
2215
2216
2217
2218
2219
2220
2221
2222
2223
2224
2225
2226
2227
2228
2229
2230
2231
2232
2233
2234
2235
2236
2237
2238
2239
2240
2241
2242
2243
2244
2245
2246
2247
2248
2249
2250
2251
2252
2253
2254
2255
2256
2257
2258
2259
2260
2261
2262
2263
2264
2265
2266
2267
2268
2269
2270
2271
2272
2273
2274
2275
2276
2277
2278
2279
2280
2281
2282
2283
2284
2285
2286
2287
2288
2289
2290
2291
2292
2293
2294
2295
2296
2297
2298
2299
2300
2301
2302
2303
2304
2305
2306
2307
2308
2309
2310
2311
2312
2313
2314
2315
2316
2317
2318
2319
2320
2321
2322
2323
2324
2325
2326
2327
2328
2329
2330
2331
2332
2333
2334
2335
2336
2337
2338
2339
2340
2341
2342
2343
2344
2345
2346
2347
2348
2349
2350
2351
2352
2353
2354
2355
2356
2357
2358
2359
2360
2361
2362
2363
2364
2365
2366
2367
2368
2369
2370
2371
2372
2373
2374
2375
2376
2377
2378
2379
2380
2381
2382
2383
2384
2385
2386
2387
2388
2389
2390
2391
2392
2393
2394
2395
2396
2397
2398
2399
2400
2401
2402
2403
2404
2405
2406
2407
2408
2409
2410
2411
2412
2413
2414
2415
2416
2417
2418
2419
2420
2421
2422
2423
2424
2425
2426
2427
2428
2429
2430
2431
2432
2433
2434
2435
2436
2437
2438
2439
2440
2441
2442
2443
2444
2445
2446
2447
2448
2449
2450
2451
2452
2453
2454
2455
2456
2457
2458
2459
2460
2461
2462
2463
2464
2465
2466
2467
2468
2469
2470
2471
2472
2473
2474
2475
2476
2477
2478
2479
2480
2481
2482
2483
2484
2485
2486
2487
2488
2489
2490
2491
2492
2493
2494
2495
2496
2497
2498
2499
2500
2501
2502
2503
2504
2505
2506
2507
2508
2509
2510
2511
2512
2513
2514
2515
2516
2517
2518
2519
2520
2521
2522
2523
2524
2525
2526
2527
2528
2529
2530
2531
2532
2533
2534
2535
2536
2537
2538
2539
2540
2541
2542
2543
2544
2545
2546
2547
2548
2549
2550
2551
2552
2553
2554
2555
2556
2557
2558
2559
2560
2561
2562
2563
2564
2565
2566
2567
2568
2569
2570
2571
2572
2573
2574
2575
2576
2577
2578
2579
2580
2581
2582
2583
2584
2585
2586
2587
2588
2589
2590
2591
2592
2593
2594
2595
2596
2597
2598
2599
2600
2601
2602
2603
2604
2605
2606
2607
2608
2609
2610
2611
2612
2613
2614
2615
2616
2617
2618
2619
2620
2621
2622
2623
2624
2625

```

1 TYPE: DNA
2 ORGANISM: Homo sapiens
US-10-002-600-45/6

Query Match 77.9% Score 14.8; DB 10; Length 1241;
Best Local Similarity 88.9% Pred. No. 2,10-02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

47 1 CAAAGACAGAGAGAGAGAG 18
||||| ||||| |||||
48 1117 CAAAGACAGAGAGAGAG 1162

RESULT 24

US-09-854-086-89/8
Sequence 7% Application US/2005/0186

Patent No. US20020049151A1

GENERAL INFORMATION:

APPLICANT: Murphy, Evelyn

APPLICANT: Bresnahan, Barry

APPLICANT: Connolly, Orin

APPLICANT: Fitzgerald, Oliver

TITLE OF INVENTION: Therapeutic Approaches to Disorders by Suppression of the Risk

FILE OF INVENTION: Subfamily of Nucleic Transcription Factors

FILE REFERENCE: P019720S1

SEQUENT APPLICATION NUMBER: 2001-05-11

PRIOR APPLICATION NUMBER: US 60,200,645

PRIOR FILING DATE: 2000-05-12

NUMBER OF SEQ ID NOS: 153

SOFTWARE: PatentIn version 4.1

SEQ ID NO: 75

LENGTH: 1841

TYPE: DNA

ORGANISM: HUMAN

US-09-854-086-89

Query Match 77.9% Score 14.8; DB 10; Length 1641;
Best Local Similarity 88.9% Pred. No. 2,10-02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

47 2 CAAAGACAGAGAGAGAGAG 19
||||| ||||| ||||| ||
48 977 CAAAGACAGAGAGAGAG 980

RESULT 24

US-09-854-086-89/8
Sequence 7% Application US/2005/0186

Patent No. US20020049151A1

GENERAL INFORMATION:

APPLICANT: Murphy, Evelyn

APPLICANT: Bresnahan, Barry

APPLICANT: Connolly, Orin

APPLICANT: Fitzgerald, Oliver

TITLE OF INVENTION: Therapeutic Approaches to Disorders by Suppression of the Risk

FILE OF INVENTION: Subfamily of Nucleic Transcription Factors

FILE REFERENCE: P019720S1

SEQUENT APPLICATION NUMBER: 2001-05-11

PRIOR APPLICATION NUMBER: US 60,200,645

PRIOR FILING DATE: 2000-05-12

NUMBER OF SEQ ID NOS: 153

SOFTWARE: PatentIn version 4.1

SEQ ID NO: 89

LENGTH: 2481

TYPE: DNA

ORGANISM: HUMAN

US-09-854-086-89

Query Match 77.9% Score 14.8; DB 10; Length 2481;
Best Local Similarity 88.9% Pred. No. 2,10-02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

47 2 CAAAGACAGAGAGAGAGAG 19
||||| ||||| ||||| ||
48 977 CAAAGACAGAGAGAGAG 1057

RESULT 24

US-10-002-600-45/6
Sequence 4% Application US/2002/0049151A1

Patent No. US20020049151A1

GENERAL INFORMATION:

APPLICANT: Hopkins, Christopher R.

APPLICANT: Peterson, David P.

APPLICANT: Cocks, Benjamin G.

APPLICANT: Ritz, Philip W.

TITLE OF INVENTION: Therapeutic Approaches to Disorders by Suppression of the Risk

FILE OF INVENTION: Subfamily of Nucleic Transcription Factors

FILE REFERENCE: P019720S1

SEQUENT APPLICATION NUMBER: 2001-05-11

PRIOR APPLICATION NUMBER: US 60,200,645

PRIOR FILING DATE: 2000-05-12

NUMBER OF SEQ ID NOS: 116

SOFTWARE: PatentIn version 4.1

SEQ ID NO: 45

LENGTH: 2426

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: msc_deletion

OTHER INFORMATION: Comparison: US 11,000,000-45

US-10-002-600-45

Query Match 77.9% Score 14.8; DB 12; Length 2426;
Best Local Similarity 88.9% Pred. No. 2,10-02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

47 2 CAAAGACAGAGAGAGAGAG 19
||||| ||||| ||||| ||
48 1074 CAAAGACAGAGAGAGAG 1057

RESULT 25

US-10-002-600-44/6

Sequence 44% Application US/2002/0049151A1

Patent No. US20020049151A1

GENERAL INFORMATION:

APPLICANT: Hopkins, Christopher R.

APPLICANT: Peterson, David P.

APPLICANT: Cocks, Benjamin G.

APPLICANT: Ritz, Philip W.

TITLE OF INVENTION: Therapeutic Approaches to Disorders by Suppression of the Risk

FILE OF INVENTION: Subfamily of Nucleic Transcription Factors

FILE REFERENCE: P019720S1

SEQUENT APPLICATION NUMBER: 2001-05-11

PRIOR APPLICATION NUMBER: US 60,200,645

PRIOR FILING DATE: 2000-05-12

NUMBER OF SEQ ID NOS: 116

SOFTWARE: PatentIn version 4.1

SEQ ID NO: 44

LENGTH: 2579

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: msc_deletion

OTHER INFORMATION: Comparison: US 11,000,000-44

US-10-002-600-44

Query Match 77.9% Score 14.8; DB 12; Length 2579;
Best Local Similarity 88.9% Pred. No. 2,10-02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

47 2 CAAAGACAGAGAGAGAGAG 19
||||| ||||| ||||| ||
48 1074 CAAAGACAGAGAGAGAG 1057


```

1 PRIOR APPLICATION NUMBER: 60/088212
2 PRIOR FILING DATE: 1998-06-05
3 PRIOR APPLICATION NUMBER: 60/088217
4 PRIOR FILING DATE: 1998-06-05
5 PRIOR APPLICATION NUMBER: 60/088655
6 PRIOR FILING DATE: 1998-06-09
7 PRIOR APPLICATION NUMBER: 60/088744
8 PRIOR FILING DATE: 1998-06-10
9 PRIOR APPLICATION NUMBER: 60/088738
10 PRIOR FILING DATE: 1998-06-10
11 PRIOR APPLICATION NUMBER: 60/088742
12 PRIOR FILING DATE: 1998-06-10
13 PRIOR APPLICATION NUMBER: 60/088810
14 PRIOR FILING DATE: 1998-06-10
15 PRIOR APPLICATION NUMBER: 60/088924
16 PRIOR FILING DATE: 1998-06-10
17 PRIOR APPLICATION NUMBER: 60/088826
18 PRIOR FILING DATE: 1998-06-10
19 PRIOR APPLICATION NUMBER: 60/088858
20 PRIOR FILING DATE: 1998-06-11
21 PRIOR APPLICATION NUMBER: 60/088861
22 PRIOR FILING DATE: 1998-06-11
23 PRIOR APPLICATION NUMBER: 60/088876
24 PRIOR FILING DATE: 1998-06-11
25 PRIOR APPLICATION NUMBER: 60/089105
26 PRIOR FILING DATE: 1998-06-12
27 PRIOR APPLICATION NUMBER: 60/089440
28 PRIOR FILING DATE: 1998-06-16
29 PRIOR APPLICATION NUMBER: 60/089512
30 PRIOR FILING DATE: 1998-06-16
31 PRIOR APPLICATION NUMBER: 60/089514
32 PRIOR FILING DATE: 1998-06-16
33 PRIOR APPLICATION NUMBER: 60/089532
34 PRIOR FILING DATE: 1998-06-17
35 PRIOR APPLICATION NUMBER: 60/089538
36 PRIOR FILING DATE: 1998-06-17
37 PRIOR APPLICATION NUMBER: 60/089598
38 PRIOR FILING DATE: 1998-06-17
39 PRIOR APPLICATION NUMBER: 60/089599
40 PRIOR FILING DATE: 1998-06-17
41 PRIOR APPLICATION NUMBER: 60/089600
42 PRIOR FILING DATE: 1998-06-17
43 PRIOR APPLICATION NUMBER: 60/089653
44 PRIOR FILING DATE: 1998-06-17
45 PRIOR APPLICATION NUMBER: 60/089801
46 PRIOR FILING DATE: 1998-06-18
47 PRIOR APPLICATION NUMBER: 60/089907
48 PRIOR FILING DATE: 1998-06-18
49 PRIOR APPLICATION NUMBER: 60/089908
50 PRIOR FILING DATE: 1998-06-18
51 PRIOR APPLICATION NUMBER: 60/089947
52 PRIOR FILING DATE: 1998-06-19
53 PRIOR APPLICATION NUMBER: 60/089949
54 PRIOR FILING DATE: 1998-06-19
55 PRIOR APPLICATION NUMBER: 60/089977
56 PRIOR FILING DATE: 1998-06-19
57 PRIOR APPLICATION NUMBER: 60/090246
58 PRIOR FILING DATE: 1998-06-22
59 PRIOR APPLICATION NUMBER: 60/090252
60 PRIOR FILING DATE: 1998-06-22
61 PRIOR APPLICATION NUMBER: 60/090254
62 PRIOR FILING DATE: 1998-06-22
63 PRIOR APPLICATION NUMBER: 60/090349
64 PRIOR FILING DATE: 1998-06-23
65 PRIOR APPLICATION NUMBER: 60/090355
66 PRIOR FILING DATE: 1998-06-23
67 PRIOR APPLICATION NUMBER: 60/090329
68 PRIOR FILING DATE: 1998-06-24
69 PRIOR APPLICATION NUMBER: 60/090331
70 PRIOR FILING DATE: 1998-06-24
71 PRIOR APPLICATION NUMBER: 60/090335
72 PRIOR FILING DATE: 1998-06-24
73 PRIOR APPLICATION NUMBER: 60/090341
74 PRIOR FILING DATE: 1998-06-24

```

```

1 PRIOR FILING DATE: 1998-06-24
2 PRIOR APPLICATION NUMBER: 60/090445
3 PRIOR FILING DATE: 1998-06-24
4 PRIOR APPLICATION NUMBER: 60/090472
5 PRIOR FILING DATE: 1998-06-24
6 PRIOR APPLICATION NUMBER: 60/090505
7 PRIOR FILING DATE: 1998-06-24
8 PRIOR APPLICATION NUMBER: 60/090540
9 PRIOR FILING DATE: 1998-06-24
10 PRIOR APPLICATION NUMBER: 60/090642
11 PRIOR FILING DATE: 1998-06-24
12 PRIOR APPLICATION NUMBER: 60/090557
13 PRIOR FILING DATE: 1998-06-24
14 PRIOR APPLICATION NUMBER: 60/090636
15 PRIOR FILING DATE: 1998-06-25
16 PRIOR APPLICATION NUMBER: 60/090706
17 PRIOR FILING DATE: 1998-06-25
18 PRIOR APPLICATION NUMBER: 60/090690
19 PRIOR FILING DATE: 1998-06-25
20 PRIOR APPLICATION NUMBER: 60/090694
21 PRIOR FILING DATE: 1998-06-25
22 PRIOR APPLICATION NUMBER: 60/090695
23 PRIOR FILING DATE: 1998-06-25
24 PRIOR APPLICATION NUMBER: 60/090696
25 PRIOR FILING DATE: 1998-06-25
26 PRIOR APPLICATION NUMBER: 60/090862
27 PRIOR FILING DATE: 1998-06-26
28 PRIOR APPLICATION NUMBER: 60/090901
29 PRIOR FILING DATE: 1998-06-26
30 PRIOR APPLICATION NUMBER: 60/091180
31 PRIOR FILING DATE: 1998-07-01
32 PRIOR APPLICATION NUMBER: 60/091182
33 PRIOR FILING DATE: 1998-07-01
34 PRIOR APPLICATION NUMBER: 60/091199
35 PRIOR FILING DATE: 1998-07-02
36 PRIOR APPLICATION NUMBER: 60/091199
37 PRIOR FILING DATE: 1998-07-02
38 PRIOR APPLICATION NUMBER: 60/091199
39 PRIOR FILING DATE: 1998-07-02
40 PRIOR APPLICATION NUMBER: 60/091199
41 PRIOR FILING DATE: 1998-07-02
42 PRIOR APPLICATION NUMBER: 60/091199
43 PRIOR FILING DATE: 1998-07-02
44 PRIOR APPLICATION NUMBER: 60/091199
45 PRIOR FILING DATE: 1998-07-02
46 PRIOR APPLICATION NUMBER: 60/091199
47 PRIOR FILING DATE: 1998-07-02
48 PRIOR APPLICATION NUMBER: 60/091199
49 PRIOR FILING DATE: 1998-07-02
50 PRIOR APPLICATION NUMBER: 60/091199

```

```

Query Match: 77.9% Score: 14.9% Date: 1998-07-02
Best Local Similarity: 88.9% Field: No. 1,800,000
Matches: 14; Unsuccessful: 0; Missed: 2; Total: 16

```

```

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 216
```

1 APPLICANT: Grimaldi, Christopher
 2 APPLICANT: Gurney, Austin L.
 3 APPLICANT: Kjaer, Jean J.
 4 APPLICANT: Nipier, Mary A.
 5 APPLICANT: Ponz, James
 6 APPLICANT: Ponz, Nicholas F.
 7 APPLICANT: Rizzo, Gary A.
 8 APPLICANT: Stewart, Timothy A.
 9 APPLICANT: Thomas, Daniel
 10 APPLICANT: Wadman, Colin K.
 11 APPLICANT: Williams, P. Mickey
 12 APPLICANT: Wood, William L.
 13 APPLICANT: Zabad, Zohar
 14 TITLE OF INVENTION: Aerial and Transmittal Facilities and Related
 15 FILE NUMBER: 127081996
 16 CURRENT APPLICATION NUMBER: 60/987407, 29 A
 17 PRIOR FILING DATE: 2001 11 20
 18 PRIOR APPLICATION NUMBER: 60/987407
 19 PRIOR FILING DATE: 1997 06 16
 20 PRIOR APPLICATION NUMBER: 60/987407
 21 PRIOR FILING DATE: 1997 10 17
 22 PRIOR APPLICATION NUMBER: 60/987407
 23 PRIOR FILING DATE: 1997 11 12
 24 PRIOR APPLICATION NUMBER: 60/987407
 25 PRIOR FILING DATE: 1997 11 13
 26 PRIOR APPLICATION NUMBER: 60/987407
 27 PRIOR FILING DATE: 1997 11 24
 28 PRIOR APPLICATION NUMBER: 60/987407
 29 PRIOR FILING DATE: 1998 02 25
 30 PRIOR APPLICATION NUMBER: 60/987407
 31 PRIOR FILING DATE: 1998 03 20
 32 PRIOR APPLICATION NUMBER: 60/987407
 33 PRIOR FILING DATE: 1998 04 28
 34 PRIOR APPLICATION NUMBER: 60/987407
 35 PRIOR FILING DATE: 1998 05 07
 36 PRIOR APPLICATION NUMBER: 60/987407
 37 PRIOR FILING DATE: 1998 05 28
 38 PRIOR APPLICATION NUMBER: 60/987407
 39 PRIOR FILING DATE: 1998 06 02
 40 PRIOR APPLICATION NUMBER: 60/987407
 41 PRIOR FILING DATE: 1998 06 02
 42 PRIOR APPLICATION NUMBER: 60/987407
 43 PRIOR FILING DATE: 1998 06 02
 44 PRIOR APPLICATION NUMBER: 60/987407
 45 PRIOR FILING DATE: 1998 06 04
 46 PRIOR APPLICATION NUMBER: 60/987407
 47 PRIOR FILING DATE: 1998 06 04
 48 PRIOR APPLICATION NUMBER: 60/987407
 49 PRIOR FILING DATE: 1998 06 04
 50 PRIOR APPLICATION NUMBER: 60/987407
 51 PRIOR FILING DATE: 1998 06 04
 52 PRIOR APPLICATION NUMBER: 60/987407
 53 PRIOR FILING DATE: 1998 06 04
 54 PRIOR APPLICATION NUMBER: 60/987407
 55 PRIOR FILING DATE: 1998 06 04
 56 PRIOR APPLICATION NUMBER: 60/987407
 57 PRIOR FILING DATE: 1998 06 04
 58 PRIOR APPLICATION NUMBER: 60/987407
 59 PRIOR FILING DATE: 1998 06 04
 60 PRIOR APPLICATION NUMBER: 60/987407
 61 PRIOR FILING DATE: 1998 06 04
 62 PRIOR APPLICATION NUMBER: 60/987407
 63 PRIOR FILING DATE: 1998 06 04
 64 PRIOR APPLICATION NUMBER: 60/987407
 65 PRIOR FILING DATE: 1998 06 04
 66 PRIOR APPLICATION NUMBER: 60/987407
 67 PRIOR FILING DATE: 1998 06 04
 68 PRIOR APPLICATION NUMBER: 60/987407
 69 PRIOR FILING DATE: 1998 06 04
 70 PRIOR APPLICATION NUMBER: 60/987407
 71 PRIOR FILING DATE: 1998 06 04
 72 PRIOR APPLICATION NUMBER: 60/987407
 73 PRIOR FILING DATE: 1998 06 04
 74 PRIOR APPLICATION NUMBER: 60/987407
 75 PRIOR FILING DATE: 1998 06 04
 76 PRIOR APPLICATION NUMBER: 60/987407
 77 PRIOR FILING DATE: 1998 06 04
 78 PRIOR APPLICATION NUMBER: 60/987407
 79 PRIOR FILING DATE: 1998 06 04
 80 PRIOR APPLICATION NUMBER: 60/987407
 81 PRIOR FILING DATE: 1998 06 04
 82 PRIOR APPLICATION NUMBER: 60/987407
 83 PRIOR FILING DATE: 1998 06 04
 84 PRIOR APPLICATION NUMBER: 60/987407
 85 PRIOR FILING DATE: 1998 06 04
 86 PRIOR APPLICATION NUMBER: 60/987407
 87 PRIOR FILING DATE: 1998 06 04
 88 PRIOR APPLICATION NUMBER: 60/987407
 89 PRIOR FILING DATE: 1998 06 04
 90 PRIOR APPLICATION NUMBER: 60/987407
 91 PRIOR FILING DATE: 1998 06 04
 92 PRIOR APPLICATION NUMBER: 60/987407
 93 PRIOR FILING DATE: 1998 06 04
 94 PRIOR APPLICATION NUMBER: 60/987407
 95 PRIOR FILING DATE: 1998 06 04
 96 PRIOR APPLICATION NUMBER: 60/987407
 97 PRIOR FILING DATE: 1998 06 04
 98 PRIOR APPLICATION NUMBER: 60/987407
 99 PRIOR FILING DATE: 1998 06 04
 100 PRIOR APPLICATION NUMBER: 60/987407

FILE REFERENCE: 127301C19	Acids Encoded (br Same
CURRENT APPLICATION NUMBER: 65399/990_444	
PRIOR FILING DATE: 2001-11-14	
PRIOR APPLICATION NUMBER: 62/91727	
PRIOR FILING DATE: 1997-06-16	
PRIOR APPLICATION NUMBER: 62/962250	
PRIOR FILING DATE: 1997-10-17	
PRIOR APPLICATION NUMBER: 62/965136	
PRIOR FILING DATE: 1997-11-12	
PRIOR APPLICATION NUMBER: 60/963411	
PRIOR FILING DATE: 1997-11-14	
PRIOR APPLICATION NUMBER: 60/966770	
PRIOR FILING DATE: 1997-11-24	
PRIOR APPLICATION NUMBER: 60/975945	
PRIOR FILING DATE: 1998-02-25	
PRIOR APPLICATION NUMBER: 60/978910	
PRIOR FILING DATE: 1998-03-20	
PRIOR APPLICATION NUMBER: 62/981236	
PRIOR FILING DATE: 1998-04-28	
PRIOR APPLICATION NUMBER: 62/984600	
PRIOR FILING DATE: 1998-05-02	
PRIOR APPLICATION NUMBER: 60/987759	
PRIOR FILING DATE: 1998-06-02	
PRIOR APPLICATION NUMBER: 62/987837	
PRIOR FILING DATE: 1998-06-03	
PRIOR APPLICATION NUMBER: 62/988021	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/989325	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/989626	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/990459	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/988829	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/990060	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/988341	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/989126	
PRIOR FILING DATE: 1998-06-04	
PRIOR APPLICATION NUMBER: 62/989167	
PRIOR FILING DATE: 1998-06-05	
PRIOR APPLICATION NUMBER: 60/988282	
PRIOR FILING DATE: 1998-06-05	
PRIOR APPLICATION NUMBER: 62/988212	
PRIOR FILING DATE: 1998-06-05	
PRIOR APPLICATION NUMBER: 62/988217	
PRIOR FILING DATE: 1998-06-05	
PRIOR APPLICATION NUMBER: 62/988655	
PRIOR FILING DATE: 1998-06-05	
PRIOR APPLICATION NUMBER: 60/988744	
PRIOR FILING DATE: 1998-06-10	
PRIOR APPLICATION NUMBER: 60/988738	
PRIOR FILING DATE: 1998-06-10	
PRIOR APPLICATION NUMBER: 62/988712	
PRIOR FILING DATE: 1998-06-10	
PRIOR APPLICATION NUMBER: 60/988810	
PRIOR FILING DATE: 1998-06-10	
PRIOR APPLICATION NUMBER: 62/988824	
PRIOR FILING DATE: 1998-06-10	
PRIOR APPLICATION NUMBER: 60/988826	
PRIOR FILING DATE: 1998-06-10	
PRIOR APPLICATION NUMBER: 60/988858	
PRIOR FILING DATE: 1998-06-11	
PRIOR APPLICATION NUMBER: 62/988661	


```

1 PRI-R APPLICATION NUMBER: 60708759
2 PRI-R FILING DATE: 1998-06-02
3 PRI-R APPLICATION NUMBER: 607087827
4 PRI-R FILING DATE: 1998-06-03
5 PRI-R APPLICATION NUMBER: 607088021
6 PRI-R FILING DATE: 1998-06-04
7 PRI-R APPLICATION NUMBER: 607088025
8 PRI-R FILING DATE: 1998-06-04
9 PRI-R APPLICATION NUMBER: 607088026
10 PRI-R FILING DATE: 1998-06-04
11 PRI-R APPLICATION NUMBER: 607088028
12 PRI-R FILING DATE: 1998-06-04
13 PRI-R APPLICATION NUMBER: 607088029
14 PRI-R FILING DATE: 1998-06-04
15 PRI-R APPLICATION NUMBER: 607088030
16 PRI-R FILING DATE: 1998-06-04
17 PRI-R APPLICATION NUMBER: 607088033
18 PRI-R FILING DATE: 1998-06-04
19 PRI-R APPLICATION NUMBER: 607088126
20 PRI-R FILING DATE: 1998-06-04
21 PRI-R APPLICATION NUMBER: 607088129
22 PRI-R FILING DATE: 1998-06-04
23 PRI-R APPLICATION NUMBER: 607088167
24 PRI-R FILING DATE: 1998-06-05
25 PRI-R APPLICATION NUMBER: 607088202
26 PRI-R FILING DATE: 1998-06-05
27 PRI-R APPLICATION NUMBER: 607088212
28 PRI-R FILING DATE: 1998-06-05
29 PRI-R APPLICATION NUMBER: 607088217
30 PRI-R FILING DATE: 1998-06-05
31 PRI-R APPLICATION NUMBER: 607088255
32 PRI-R FILING DATE: 1998-06-05
33 PRI-R APPLICATION NUMBER: 607088744
34 PRI-R FILING DATE: 1998-06-10
35 PRI-R APPLICATION NUMBER: 607088748
36 PRI-R FILING DATE: 1998-06-10
37 PRI-R APPLICATION NUMBER: 607088742
38 PRI-R FILING DATE: 1998-06-10
39 PRI-R APPLICATION NUMBER: 607088810
40 PRI-R FILING DATE: 1998-06-10
41 PRI-R APPLICATION NUMBER: 607088824
42 PRI-R FILING DATE: 1998-06-10
43 PRI-R APPLICATION NUMBER: 607088826
44 PRI-R FILING DATE: 1998-06-10
45 PRI-R APPLICATION NUMBER: 607088828
46 PRI-R FILING DATE: 1998-06-11
47 PRI-R APPLICATION NUMBER: 607088861
48 PRI-R FILING DATE: 1998-06-11
49 PRI-R APPLICATION NUMBER: 607088876
50 PRI-R FILING DATE: 1998-06-11
51 PRI-R APPLICATION NUMBER: 607089105
52 PRI-R FILING DATE: 1998-06-12
53 PRI-R APPLICATION NUMBER: 607089440
54 PRI-R FILING DATE: 1998-06-16
55 PRI-R APPLICATION NUMBER: 607089512
56 PRI-R FILING DATE: 1998-06-16
57 PRI-R APPLICATION NUMBER: 607089514
58 PRI-R FILING DATE: 1998-06-16
59 PRI-R APPLICATION NUMBER: 607089512
60 PRI-R FILING DATE: 1998-06-17
61 PRI-R APPLICATION NUMBER: 607089538
62 PRI-R FILING DATE: 1998-06-17
63 PRI-R APPLICATION NUMBER: 607089598
64 PRI-R FILING DATE: 1998-06-17
65 PRI-R APPLICATION NUMBER: 607089599
66 PRI-R FILING DATE: 1998-06-17
67 PRI-R APPLICATION NUMBER: 607089600
68 PRI-R FILING DATE: 1998-06-17
69 PRI-R APPLICATION NUMBER: 607089655
70 PRI-R FILING DATE: 1998-06-17
71 PRI-R APPLICATION NUMBER: 607089801
72 PRI-R FILING DATE: 1998-06-18
73 PRI-R APPLICATION NUMBER: 607089907
74 PRI-R FILING DATE: 1998-06-18
75 PRI-R APPLICATION NUMBER: 607089986

```

Query Date: 07/09/03 14:06:09

Page 25 of 25

1 PRIOR APPLICATION NUMBER: 602049787
2 PRIOR FILING DATE: 1997-06-16
3 PRIOR APPLICATION NUMBER: 602042250
4 PRIOR FILING DATE: 1997-10-17
5 PRIOR APPLICATION NUMBER: 602057113
6 PRIOR FILING DATE: 1997-11-12
7 PRIOR APPLICATION NUMBER: 602065411
8 PRIOR FILING DATE: 1997-11-14
9 PRIOR APPLICATION NUMBER: 602066770
10 PRIOR FILING DATE: 1997-11-24
11 PRIOR APPLICATION NUMBER: 602075945
12 PRIOR FILING DATE: 1998-02-25
13 PRIOR APPLICATION NUMBER: 602078910
14 PRIOR FILING DATE: 1998-04-20
15 PRIOR APPLICATION NUMBER: 602083422
16 PRIOR FILING DATE: 1998-04-28
17 PRIOR APPLICATION NUMBER: 602084600
18 PRIOR FILING DATE: 1998-05-07
19 PRIOR APPLICATION NUMBER: 602097106
20 PRIOR FILING DATE: 1998-05-28
21 PRIOR APPLICATION NUMBER: 6020987607
22 PRIOR FILING DATE: 1998-06-02
23 PRIOR APPLICATION NUMBER: 6020987609
24 PRIOR FILING DATE: 1998-06-02
25 PRIOR APPLICATION NUMBER: 602087759
26 PRIOR FILING DATE: 1998-06-02
27 PRIOR APPLICATION NUMBER: 602087827
28 PRIOR FILING DATE: 1998-06-03
29 PRIOR APPLICATION NUMBER: 602088021
30 PRIOR FILING DATE: 1998-06-04
31 PRIOR APPLICATION NUMBER: 60208825
32 PRIOR FILING DATE: 1998-06-04
33 PRIOR APPLICATION NUMBER: 602088026
34 PRIOR FILING DATE: 1998-06-04
35 PRIOR APPLICATION NUMBER: 602088028
36 PRIOR FILING DATE: 1998-06-04
37 PRIOR APPLICATION NUMBER: 60208829
38 PRIOR FILING DATE: 1998-06-04
39 PRIOR APPLICATION NUMBER: 602088046
40 PRIOR FILING DATE: 1998-06-05
41 PRIOR APPLICATION NUMBER: 602088282
42 PRIOR FILING DATE: 1998-06-05
43 PRIOR APPLICATION NUMBER: 602088212
44 PRIOR FILING DATE: 1998-06-05
45 PRIOR APPLICATION NUMBER: 602088217
46 PRIOR FILING DATE: 1998-06-05
47 PRIOR APPLICATION NUMBER: 602088655
48 PRIOR FILING DATE: 1998-06-09
49 PRIOR APPLICATION NUMBER: 602088744
50 PRIOR FILING DATE: 1998-06-10
51 PRIOR APPLICATION NUMBER: 602088743
52 PRIOR FILING DATE: 1998-06-10
53 PRIOR APPLICATION NUMBER: 602088742
54 PRIOR FILING DATE: 1998-06-10
55 PRIOR APPLICATION NUMBER: 602088810
56 PRIOR FILING DATE: 1998-06-10
57 PRIOR APPLICATION NUMBER: 602088824
58 PRIOR FILING DATE: 1998-06-10
59 PRIOR APPLICATION NUMBER: 602088826
60 PRIOR FILING DATE: 1998-06-10
61 PRIOR APPLICATION NUMBER: 602088858
62 PRIOR FILING DATE: 1998-06-11
63 PRIOR APPLICATION NUMBER: 602088861
64 PRIOR FILING DATE: 1998-06-11
65 PRIOR APPLICATION NUMBER: 602088876
66 PRIOR FILING DATE: 1998-06-11
67 PRIOR APPLICATION NUMBER: 602089106

1 PRIOR FILING DATE: 1998-06-12
2 PRIOR APPLICATION NUMBER: 602094136
3 PRIOR FILING DATE: 1998-06-16
4 PRIOR APPLICATION NUMBER: 602095112
5 PRIOR FILING DATE: 1998-06-16
6 PRIOR APPLICATION NUMBER: 602095614
7 PRIOR FILING DATE: 1998-06-16
8 PRIOR APPLICATION NUMBER: 602095612
9 PRIOR FILING DATE: 1998-06-17
10 PRIOR APPLICATION NUMBER: 602095618
11 PRIOR FILING DATE: 1998-06-19
12 PRIOR APPLICATION NUMBER: 602095908
13 PRIOR FILING DATE: 1998-06-19
14 PRIOR APPLICATION NUMBER: 602095919
15 PRIOR FILING DATE: 1998-06-19
16 PRIOR APPLICATION NUMBER: 602096000
17 PRIOR FILING DATE: 1998-06-19
18 PRIOR APPLICATION NUMBER: 602096053
19 PRIOR FILING DATE: 1998-06-19
20 PRIOR APPLICATION NUMBER: 602096061
21 PRIOR FILING DATE: 1998-06-19
22 PRIOR APPLICATION NUMBER: 602096067
23 PRIOR FILING DATE: 1998-06-18
24 PRIOR APPLICATION NUMBER: 602096066
25 PRIOR FILING DATE: 1998-06-18
26 PRIOR APPLICATION NUMBER: 602096147
27 PRIOR FILING DATE: 1998-06-19
28 PRIOR APPLICATION NUMBER: 602096148
29 PRIOR FILING DATE: 1998-06-19
30 PRIOR APPLICATION NUMBER: 602096142
31 PRIOR FILING DATE: 1998-06-19
32 PRIOR APPLICATION NUMBER: 602096143
33 PRIOR FILING DATE: 1998-06-22
34 PRIOR APPLICATION NUMBER: 602096142
35 PRIOR FILING DATE: 1998-06-22
36 PRIOR APPLICATION NUMBER: 602096141
37 PRIOR FILING DATE: 1998-06-22
38 PRIOR APPLICATION NUMBER: 602096149
39 PRIOR FILING DATE: 1998-06-23
40 PRIOR APPLICATION NUMBER: 602096146
41 PRIOR FILING DATE: 1998-06-24
42 PRIOR APPLICATION NUMBER: 602096144
43 PRIOR FILING DATE: 1998-06-24
44 PRIOR APPLICATION NUMBER: 602096147
45 PRIOR FILING DATE: 1998-06-24
46 PRIOR APPLICATION NUMBER: 602096142
47 PRIOR FILING DATE: 1998-06-24
48 PRIOR APPLICATION NUMBER: 602096145
49 PRIOR FILING DATE: 1998-06-24
50 PRIOR APPLICATION NUMBER: 602096140
51 PRIOR FILING DATE: 1998-06-24
52 PRIOR APPLICATION NUMBER: 602096142
53 PRIOR FILING DATE: 1998-06-24
54 PRIOR APPLICATION NUMBER: 602096147
55 PRIOR FILING DATE: 1998-06-24
56 PRIOR APPLICATION NUMBER: 602096147
57 PRIOR FILING DATE: 1998-06-24
58 PRIOR APPLICATION NUMBER: 602096140
59 PRIOR FILING DATE: 1998-06-25
60 PRIOR APPLICATION NUMBER: 602096148
61 PRIOR FILING DATE: 1998-06-25
62 PRIOR APPLICATION NUMBER: 602096146
63 PRIOR FILING DATE: 1998-06-25
64 PRIOR APPLICATION NUMBER: 602096140
65 PRIOR FILING DATE: 1998-06-25
66 PRIOR APPLICATION NUMBER: 602096147
67 PRIOR FILING DATE: 1998-06-25
68 PRIOR APPLICATION NUMBER: 602096147
69 PRIOR FILING DATE: 1998-06-25
70 PRIOR APPLICATION NUMBER: 602096146

